

What is claimed is:

1. An optical communication device comprising:

an optical system for propagating a light beam through a space;

plural optical parts movable to an interrupting position of the light beam within the space, and arranged in a series direction with the light beam;

driving means for separately driving these optical parts; and

driving control means for controlling an operation of this driving means.

2. An optical communication device according to claim 1, wherein at least two kinds or more of optical parts are arranged as the optical parts.

3. An optical communication device according to claim 2, wherein two kinds or more of optical parts having different wavelength transmitting characteristics are included as the optical parts.

4. An optical communication device according to claim 2, wherein two kinds or more of optical parts having different wavelength absorption characteristics are included as the optical parts.

5. An optical communication device according to claim 2, wherein two kinds or more of optical parts having different transmitting light amount characteristics are included as the

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optical parts.

6. An optical communication device according to claim 2, wherein an optical part for interrupting light is included as the optical parts.

7. An optical communication device according to claim 1, wherein one or more optical parts having the same optical characteristics in at least one kind of optical parts are further arranged as the optical parts.

8. An optical communication device according to claim 1, wherein a plurality of the driving means are arranged, and the driving means located before and after the light beam are arranged between the same optical parts.

9. An optical communication device according to claim 8, wherein moving optical members provided by assembling the driving means into the optical parts are arranged in a zigzag shape such that the driving means is located between the same optical parts through the light beam.

10. An optical communication device according to claim 1, wherein the driving means is a piezoelectric actuator.

11. An optical communication device according to claim 10, wherein the piezoelectric actuator comprises a piezoelectric body for generating a stretching vibration, and a moving body frictionally driven by the stretching vibration generated in this piezoelectric body.

12. An optical communication device according to claim

10, wherein the piezoelectric actuator is of a rotating type.

13. An optical communication device according to claim 10, wherein the piezoelectric actuator is of a direct acting type.

14. An optical communication device according to claim 10, wherein the driving control means inputs a preliminary signal to the driving means before the driving.

15. An optical communication device according to claim 10, wherein the driving circuit has a self-excited oscillating circuit.

16. An optical communication device according claim 1, wherein a supporting member for movably supporting the optical parts is arranged, and at least one portion of the driving control means is arranged in this supporting member.

17. A control method of an optical communication device according to claim 1 in which plural optical parts are simultaneously driven.

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